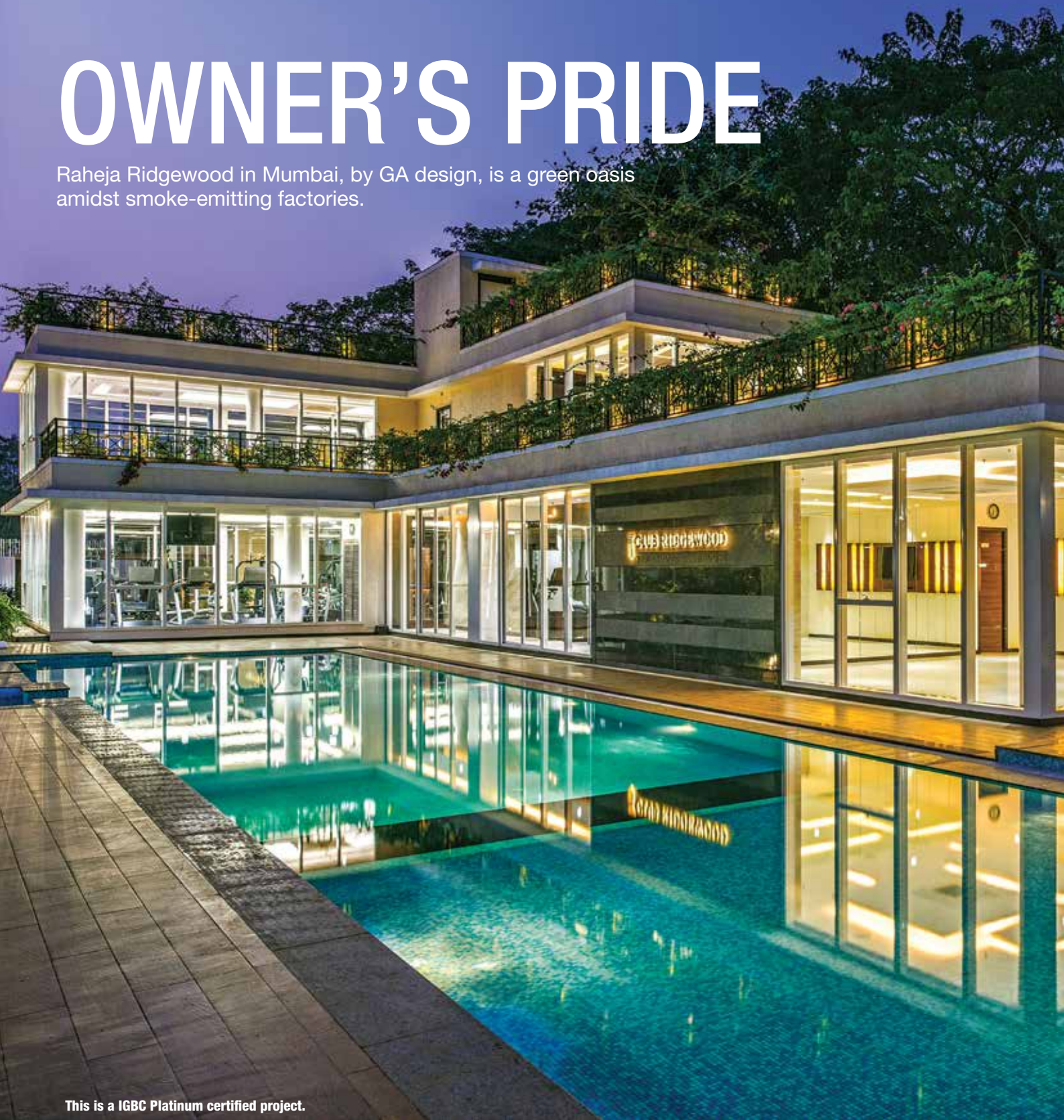


OWNER'S PRIDE

Raheja Ridgewood in Mumbai, by GA design, is a green oasis amidst smoke-emitting factories.

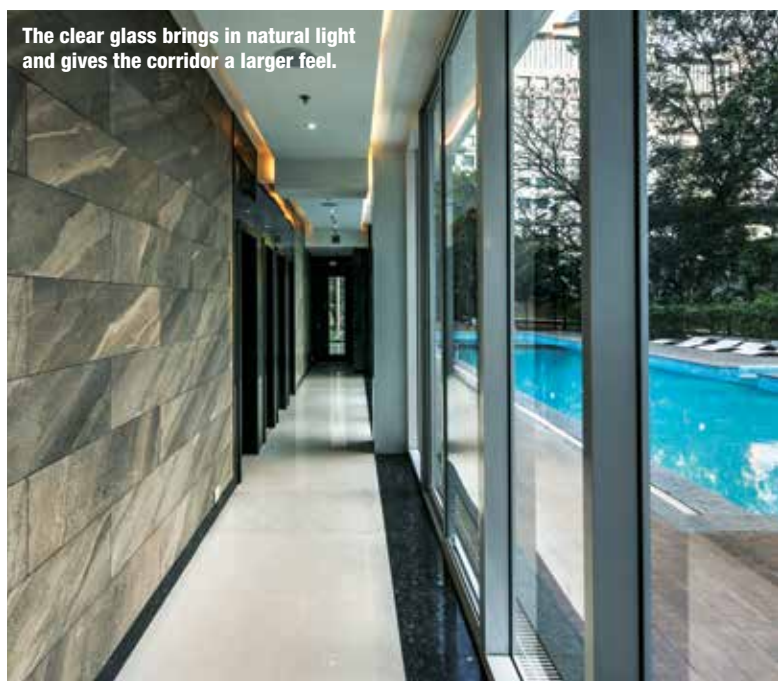


This is a IGBC Platinum certified project.



Ruheja Ridgewood in Mumbai is designed in such a way to reduce overall impact on environment and human health by reducing trash, pollution and degradation of environment. The GA design team focussed on efficient use of energy, water and other natural resources and protection of occupant health and improving productivity. The IGBC Platinum certified project incorporates 100 per cent LED lights in common areas, solar street lights, solar water-heater system on roof, energy and water meters, low flow water fixtures at each dwelling units that saves water up to 30 per cent, rain water harvesting system and an onsite sewage treatment plant to treat waste water and reuse treated water for gardening and flushing. The housekeeping team members have been trained to govern the entire waste management, which include collection from dwelling unit, segregation of different type of waste and disposal to the authorised recyclers/vendors. An organic waste converter of capacity 600 kg/day has been installed to convert entire wet waste generated from the society to organic manure. This manure is then used for gardening in the society premises.

“We carried out a research prior to the commencement of the project and found that the plot was surrounded by semi-industrial factories and commercial buildings. To create a breathable living space for residents was a challenge. The idea was to make the complex self-sustained. Hence the idea of creating a green project with full amenities was conceived, providing healthy living to all the occupants and also enhancing the surroundings.”



The clear glass brings in natural light and gives the corridor a larger feel.

SUSTAINABLE SPACES | Raheja Ridgewood



The interface between the building, the club and the vast open space is a field.



Sachin Goregaoker,
Principal Architect and Director
(Partner), GA design



The project has a rain water harvesting system and an onsite sewage treatment plant.

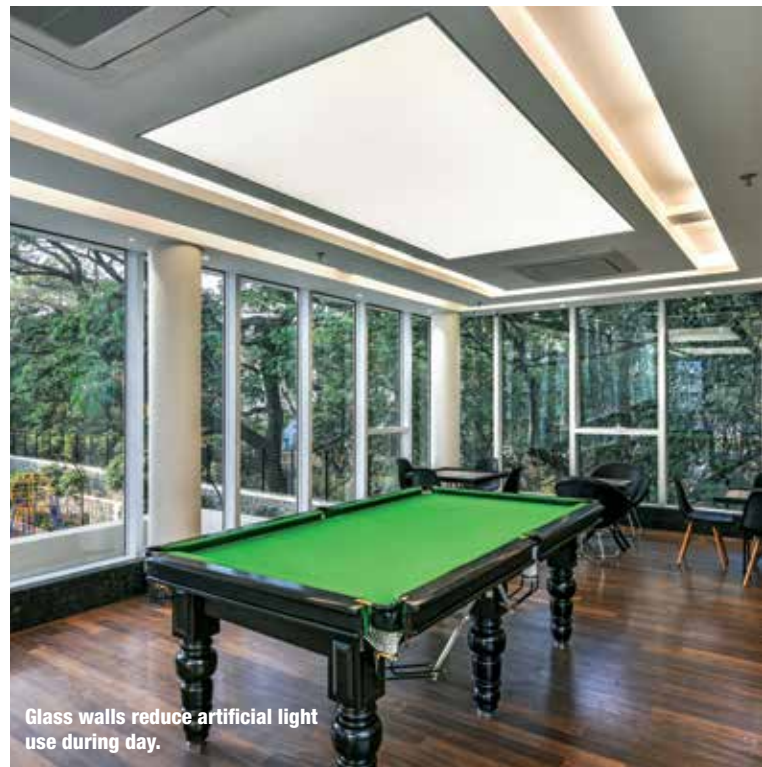


Outdoor seating allows residents to come in contact with nature everyday.

Sachin Goregaoker, Principal Architect and Director (Partner), GA design, says.

Sustainable architecture has one main objective: to reduce the negative environment impact of a building throughout its life cycle. "Architects, builders and building owners have to seek a balance between conflicting considerations such as aesthetics, comfort, timelines, effective construction, regional building guidelines, costs and profits," Goregaoker says. These can be done with the use of sustainable recycled building materials, which are cost-effective as well as environment-friendly. Wood, stone, metal can be reclaimed from demolition sites and recycled and reused during new construction. Green materials such as bamboo and cork can be incorporated in building interiors. "Energy conservation, efficient planning, resourceful methods, use of environment-friendly materials and providing green cover are gradually becoming the norm in the practice of architecture worldwide, and we need to adopt them as well," Goregaoker says. ■

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Glass walls reduce artificial light use during day.